

BATTERY DESIGNED FOR ALL ESS APPLICATIONS

SP5120R LITHIUM-ION

BATTERY SERIES

CAPACITY

5.12 kWh



TECHNICAL SPECIFICATIONS

Battery type	LiFePO4
Energy capacity	51.2kWh
Usable capacity	4.9kWh
Nominal capacity	100Ah
Nominal voltage	51.2V
Operating voltage range	44.8V – 57.6V
Cycle life	≥ 6000
Standard charging current	≤ 50A (0.5C)
Max. charging current	≤ 100A (1C)
Standard discharging current	≤ 50A (0.5C)
Max. discharging current	≤ 150A (1.5C)
Charging temperature range	0°C~55°C
Discharge temperature range	-20°C~55°C
Storage temperature	-20°C~45°C (<1 month), 0°C~35°C (>1 month)
Relative humidity	15%~90%
Parallel connection	16 units
Protection function	Overvoltage/ Undervoltage/ Overcurrent/ Short-circuit/ Reverse connection
Communication interface	RS485/RS232/CAN/GPRS
Pack weight	45±0.5kg
Pack dimensions	530 x 450 x 162 mm
IP Protection	IP25
Warranty	5 years
Certification	UN38.3



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